NASA'S MISSION TO PLANET EARTH

EARTH PROBES

DATA INFORMATION SYSTEM
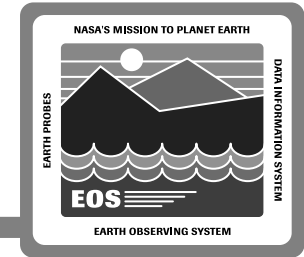
EOS

EARTH OBSERVING SYSTEM

Integration & Test Plans
Teraisa Patterson

31 March 1995

System Integration and Test Plan

The System Integration and Test Plan for the ECS Project for Release B document contains the following sections and appendices:

Section 1   Introduction, contains the identification, scope, purpose and objectives, status and schedule, and document organization.

Section 2   Related Documents, provides a bibliography of parent, applicable and reference documents for the Release B System Integration and Test Plan Document.

Section 3   System Integration and Test Overview, describes the process used to integrate and test segments, and subsystem interfaces.

Section 4   Release A System Integration and Testing, defines the corresponding supporting document which contains the A system level thread and build tests.

Section 5   Release B System Integration and Testing, describes the specific system level thread and build objectives, which will be used to verify the functionality of Release B.

App A   Test Tool Requirements, contains a list and brief description of the test tools needed for System Integration and Test Tools.

App B   Recombinant test and methodology.

App C   Acronyms, contains a list of acronyms included in this document.

Release B System Build/Thread Plan

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Product Generation — On-demand processing, generate reports, staging queing across strings, multi DAAC processing

Enhanced search & manipulate stored data

Search Services

Archive/backup data, Data inventory, Inter DAAC interface, AM-1 interface, API interface, populate DAACs

Data Server Management

Sub-setting, sub-sampling, sub-scriptions, LIM/DIM, transfer and receive data

Data Access Services

Data Access Build 4

DAAC Build 6

accounting, billing, estimates, manage resources,DAAC QA enabling SW

Product Support

System Services Build 2

Integrated Communication Services Build 5

Product Generation & Management Build 7

Release A

Release B

Regression

Recombinant

Recombinant

Implement policies & procedures, multi site directory access authorization, authentication

Transport files, transfer data,error recovery, network access, dial-up, enhanced e-mail, BB

Network Services

System Security & Monitoring

Client Services Build 3

Manage network config, monitor & optimize network performance, inventory training

Site & Network Communication Management

System Setup Build 1

Client Services

System Management

Ingest data from diff. media, diff. missions & instruments, V0 migration

Ingest Services

V1 Client, workbench, self registration, enhanced display

System management, detailed system reports, fault and performance management

SDPS Thread

CSMS Thread

Recombinant/Regression